



SCLENTEUCH WIND FARM

FIGURE 3.1

TURBINE LAYOUT EVOLUTION

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2022 LICENCE NUMBER 0100031673.

KEY:

 Txx
TURBINE LOCATION

LAYOUT 1
KEIRS HILL FARM APPLICATION LAYOUT
(17 TURBINES)

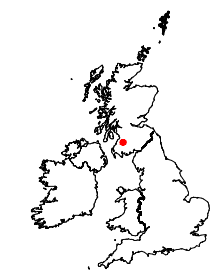
LAYOUT 2
FEASIBILITY LAYOUT (14 TURBINES)

LAYOUT 3
FEASIBILITY LAYOUT (12 TURBINES)

LAYOUT 4
SCOPING LAYOUT (9 TURBINES)

LAYOUT 5
PRE-DESIGN FREEZE LAYOUT (11 TURBINES)

LAYOUT 6
DESIGN FREEZE LAYOUT (9 TURBINES)



SITE LOCATION - NOT TO SCALE



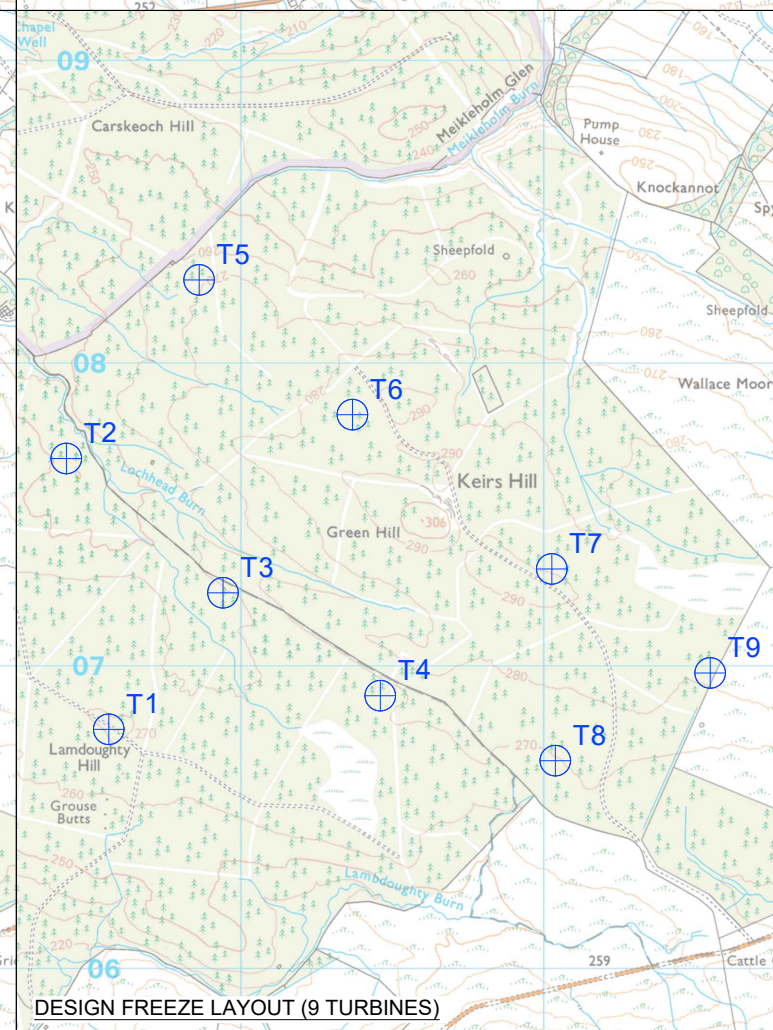
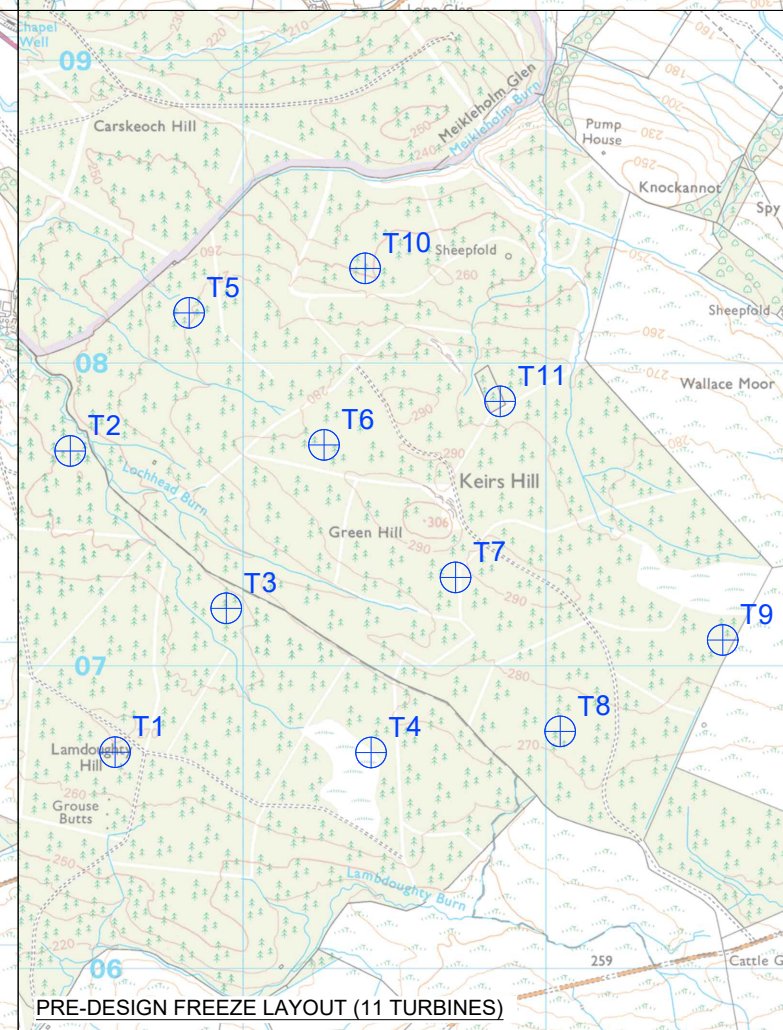
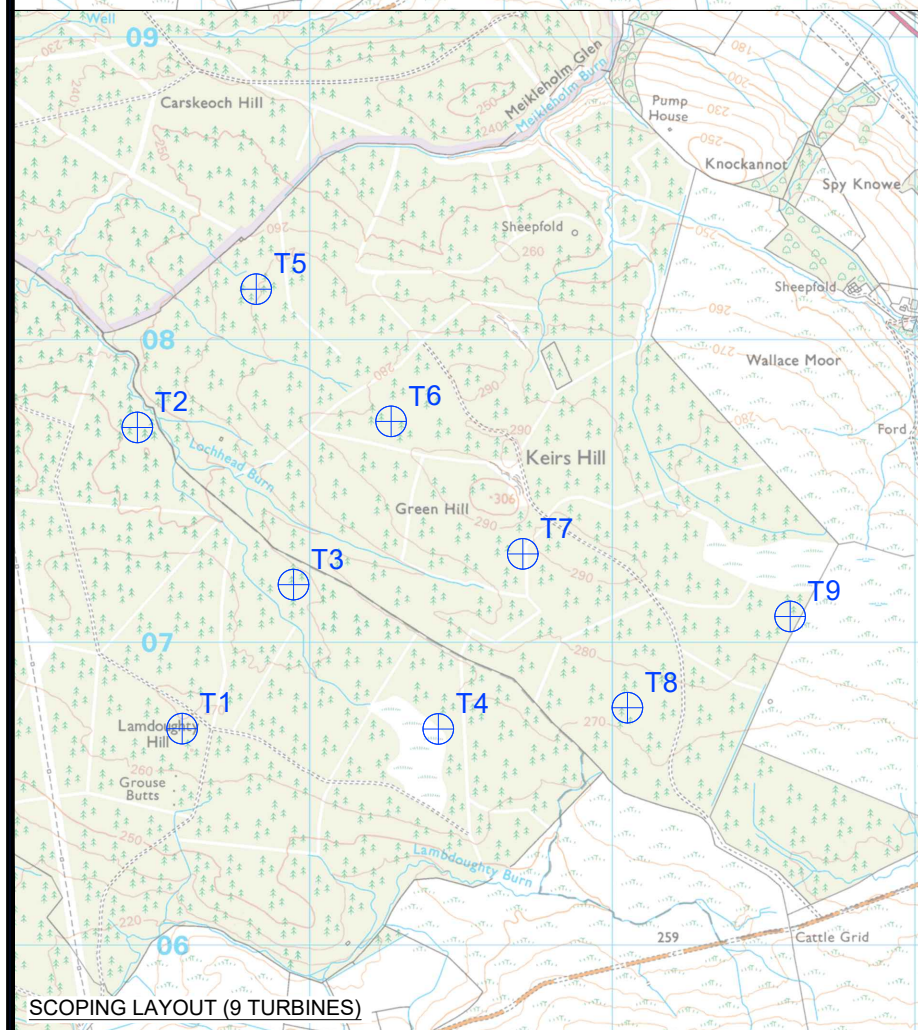
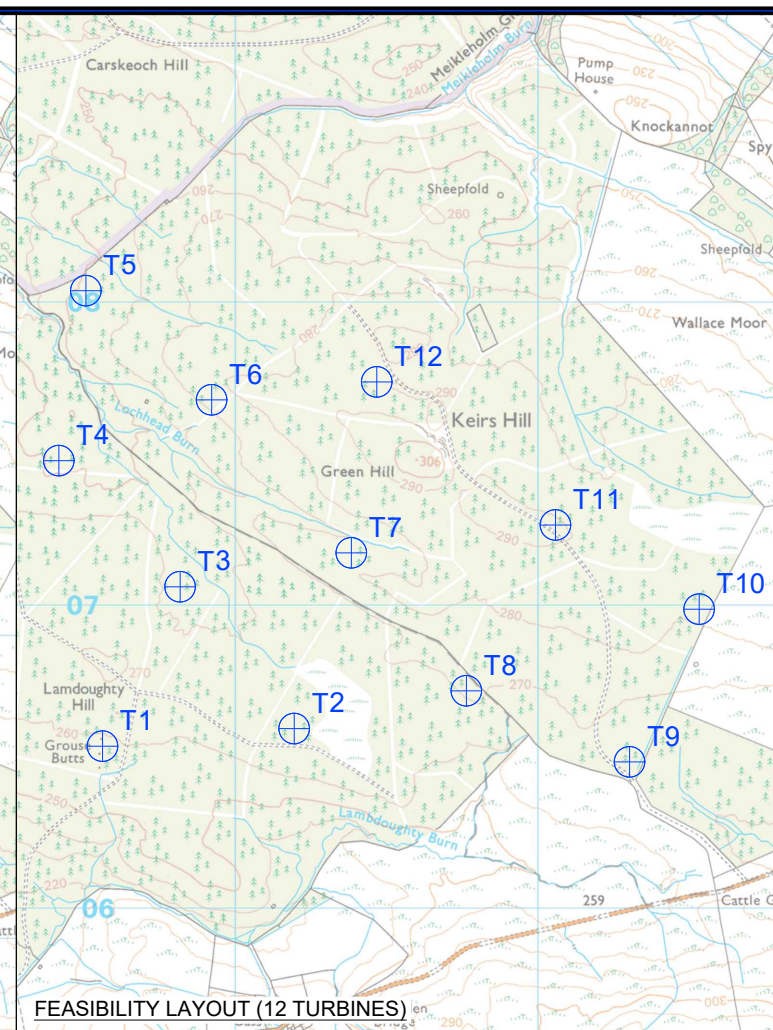
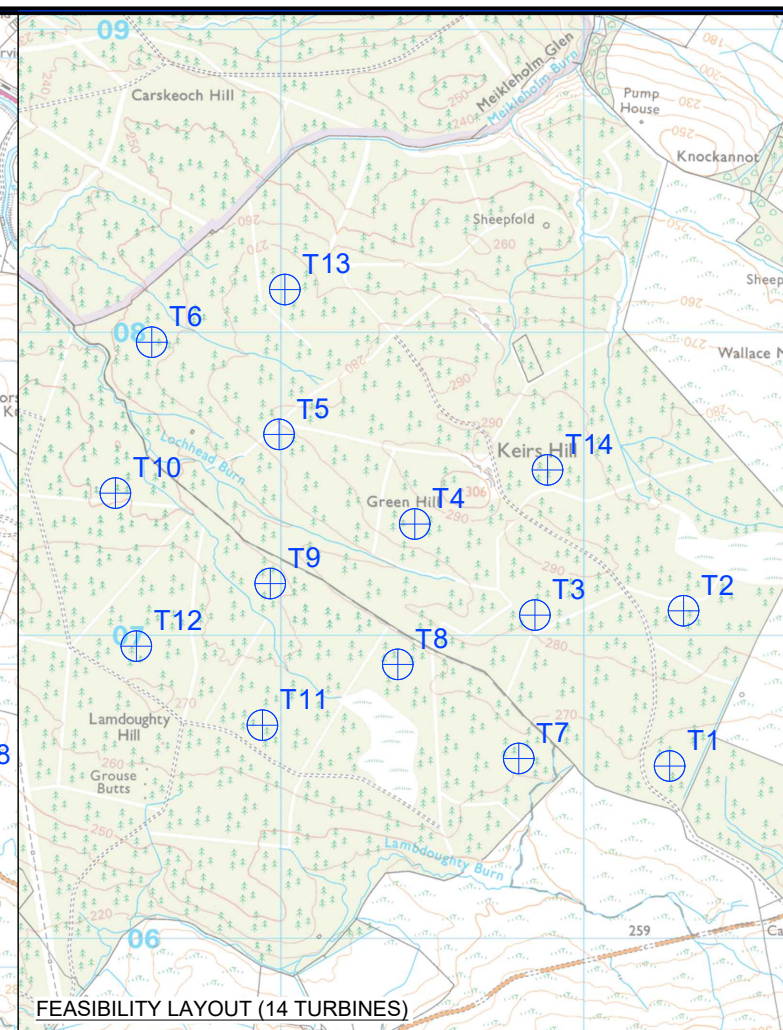
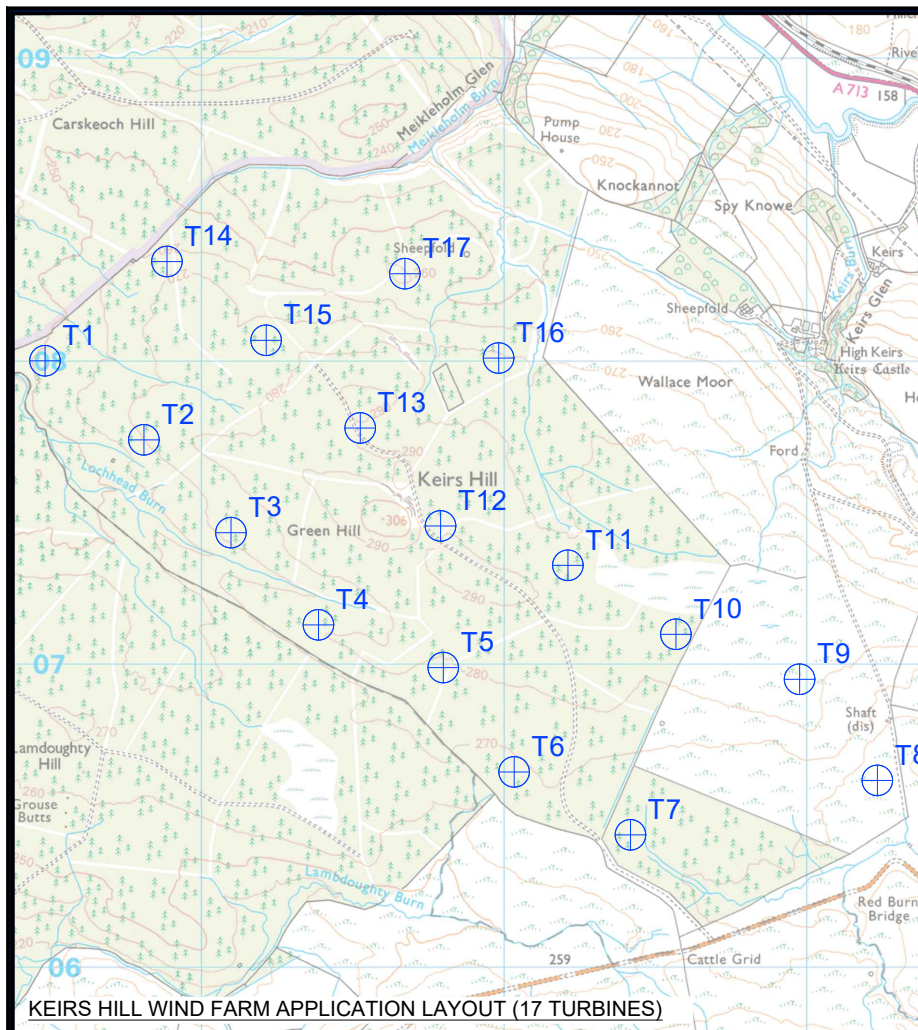
LAYOUT DWG N/A T-LAYOUT NO. N/A

DRAWING NUMBER
03896-RES-LAY-DR-PT-001

SCALE - 1:25,000 @ A3

**ENVIRONMENTAL IMPACT
ASSESSMENT REPORT 2022**

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SCLENTEUCH WIND FARM

FIGURE 3.2

COMBINED CONSTRAINTS & INFRASTRUCTURE LAYOUT

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KEY INFRASTRUCTURE:

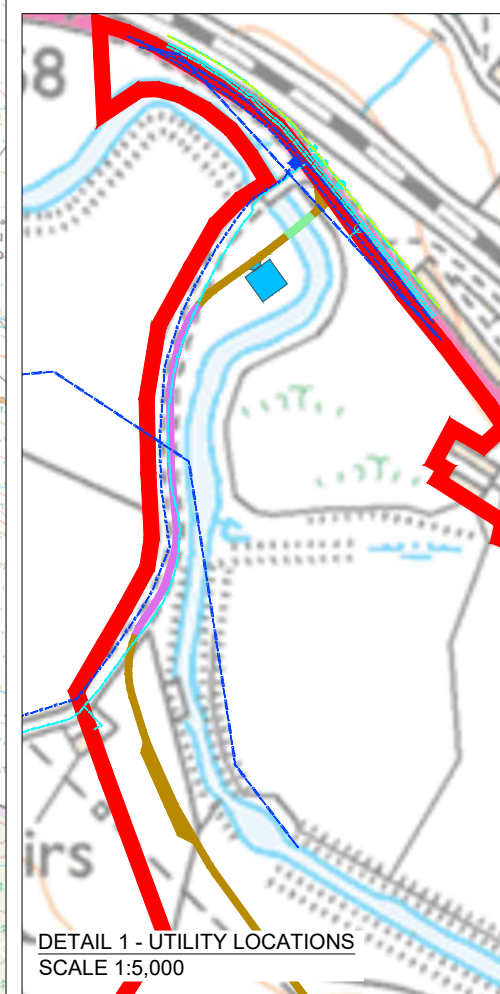
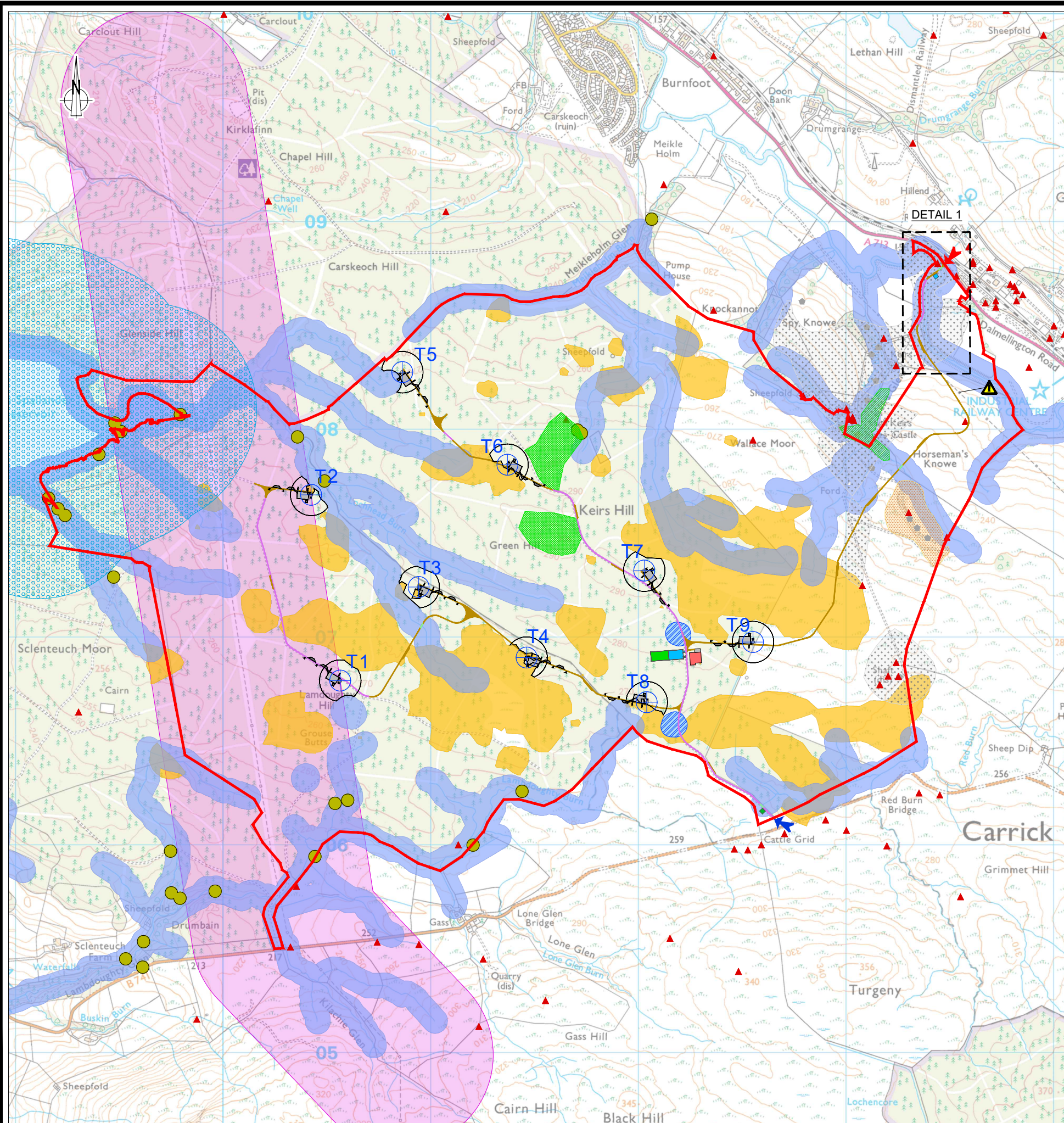
- SITE BOUNDARY
- WIND TURBINE LOCATION
- MICROSITING
- UPGRADED SITE TRACKS
- NEW SITE TRACKS
- WATERCOURSE CROSSING
- CRANE HARDSTANDING AREA
 - PERMANENT
 - TEMPORARY
- TEMPORARY ENABLING WORKS COMPOUND
- ALTERNATIVE TEMPORARY ENABLING WORKS COMPOUND
- TEMPORARY CONSTRUCTION COMPOUND/ BATTERY STORAGE
- BATTERY STORAGE
- CONTROL BUILDING & SUBSTATION COMPOUND WITH PERMANENT HARDSTANDING AREA
- BORROW PIT SEARCH AREA
- SITE ENTRANCE LOCATION
- ALTERNATIVE CONSTRUCTION SITE ENTRANCE LOCATION

KEY - COMBINED CONSTRAINTS

- HYDROLOGY BUFFERS (60m)
 - PONDS BUFFERS (50m)
 - RESERVOIR BUFFER (500m)
 - SCHEDULED MONUMENT RECORDS
 - MINE ENTRIES
 - PROBABLE SHALLOW COAL MINE WORKING
 - LIMESTONE
 - ANCIENT WOODLAND BUFFER (150m)
 - MAMMAL SURVEY BUFFER (30m)
 - RES CONFIRM THAT THE OHL HAS NOW BEEN DECOMMISSIONED AND IS NO LONGER PRESENT ON SITE
- PEAT DEPTH
- >1m

UTILITIES KEY (SITE ENTRANCE):

- TELECOMM BT
- TELECOMM ATKINS
- ELECTRIC
- WATER
- GAS



LAYOUT DWG: 03896-RES-LAY-DR-TE-002 T-LAYOUT NO.: PSCOSCL026

DRAWING NUMBER: 03896-RES-LAY-DR-PT-002

SCALE - 1:20,000 @ A3

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DETAIL 1 - UTILITY LOCATIONS
SCALE 1:5,000



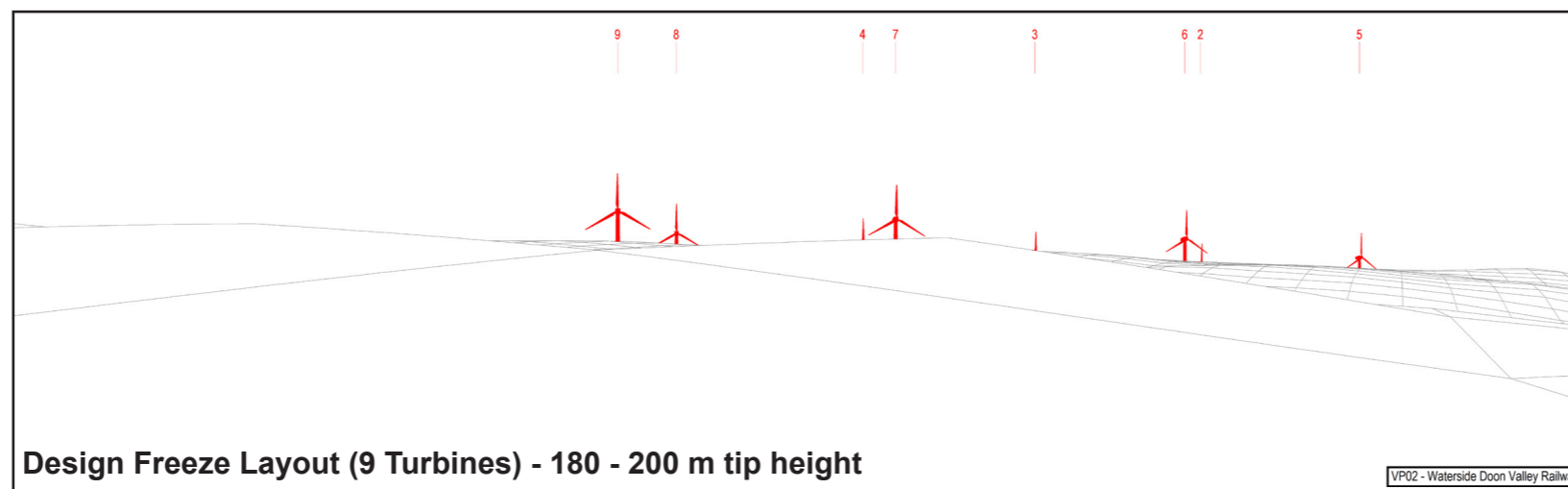
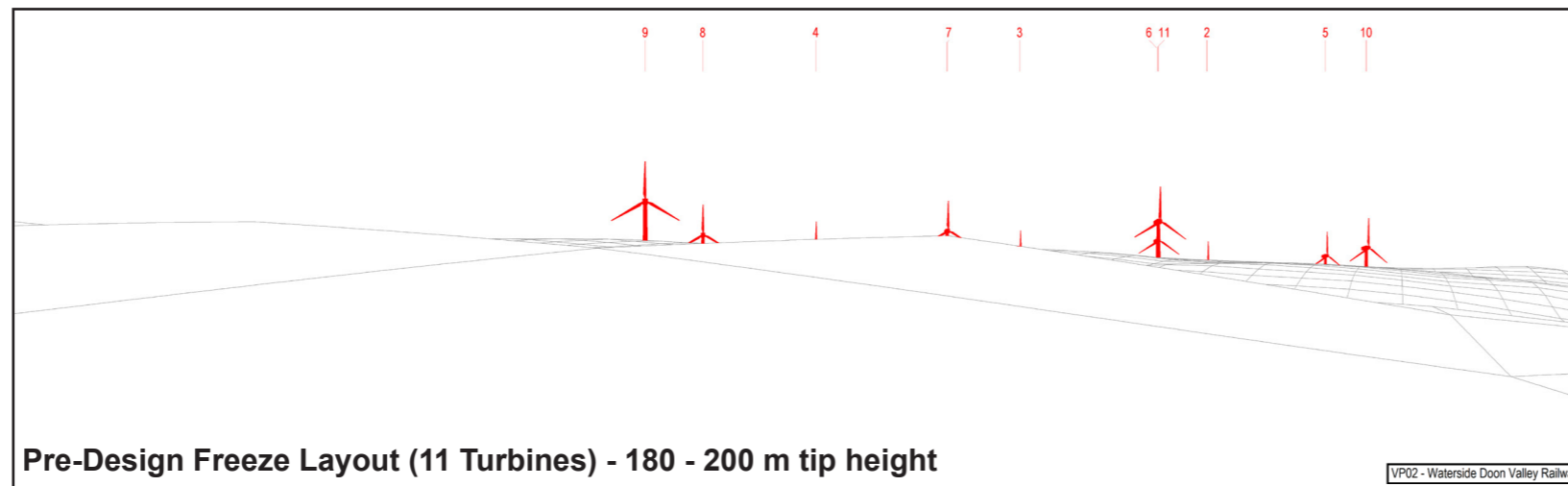
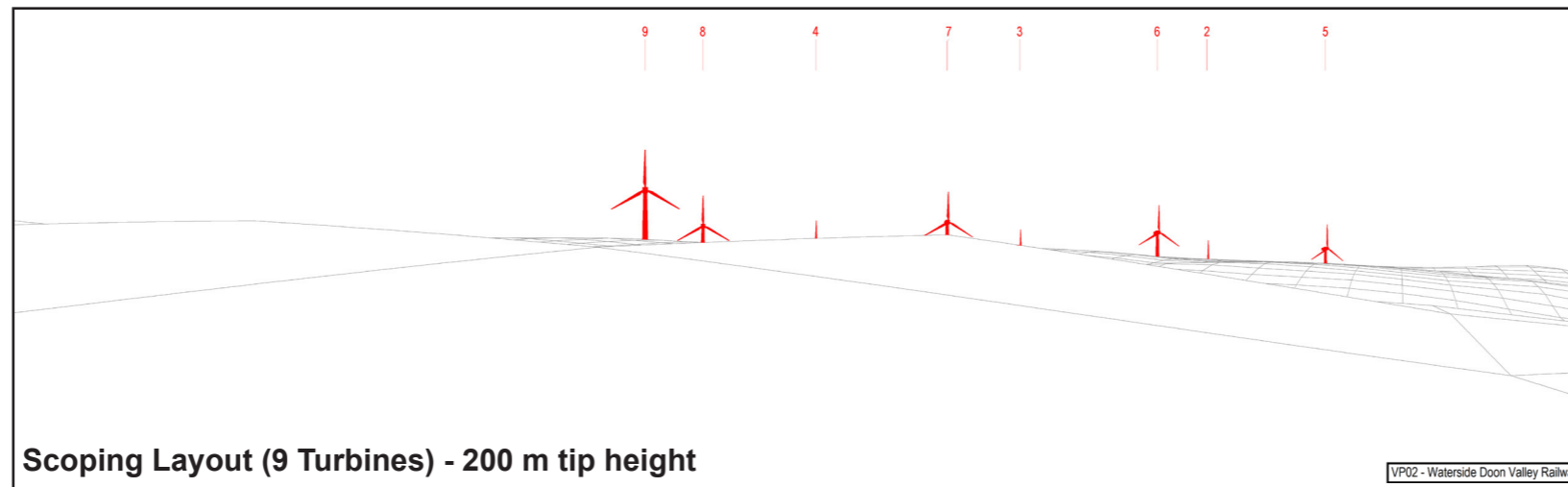
**SCLENTEUCH
WIND FARM**

FIGURE 3.3a

COMPARATIVE WIRELINES

**VP2: WATERSIDE
DOON VALLEY RAILWAY**

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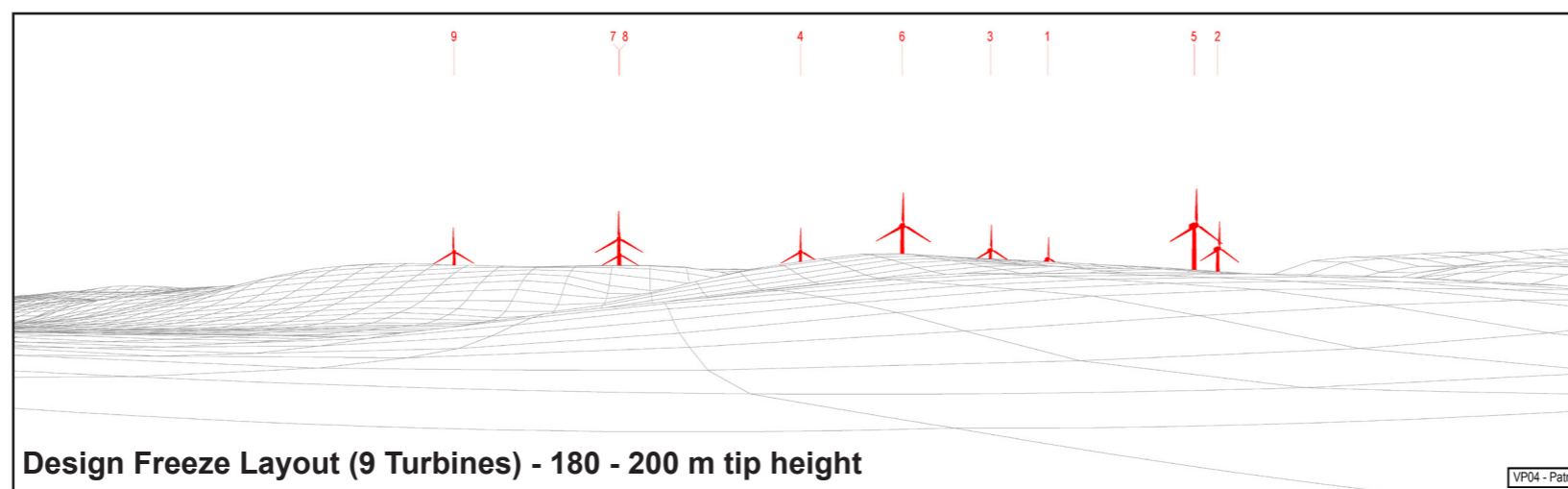
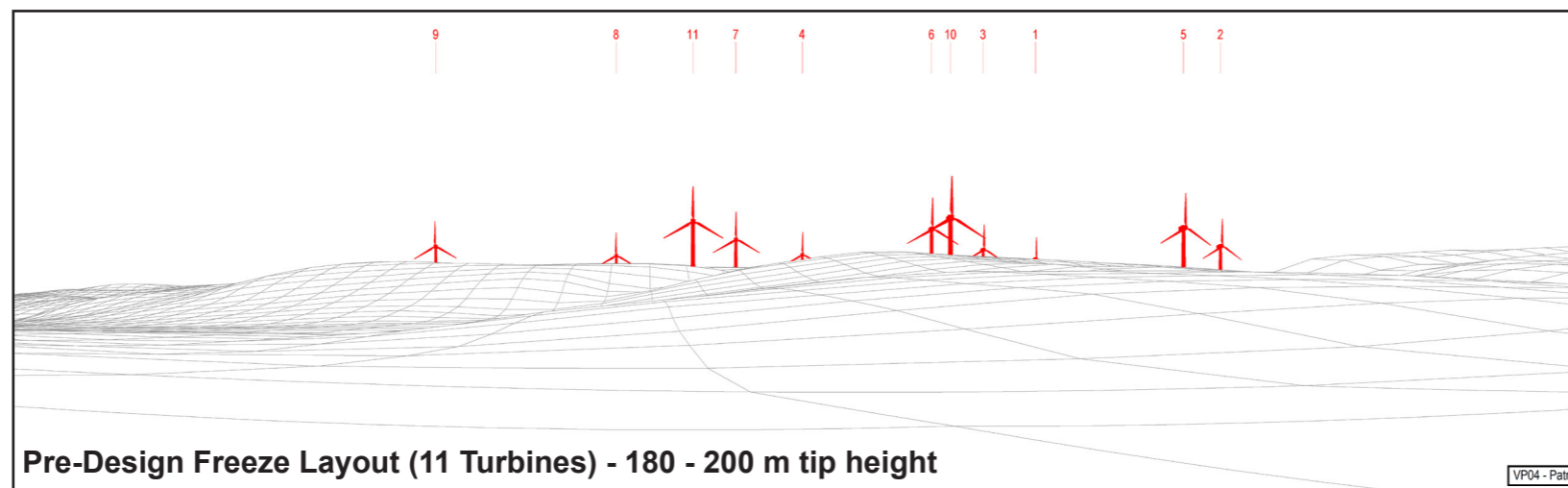
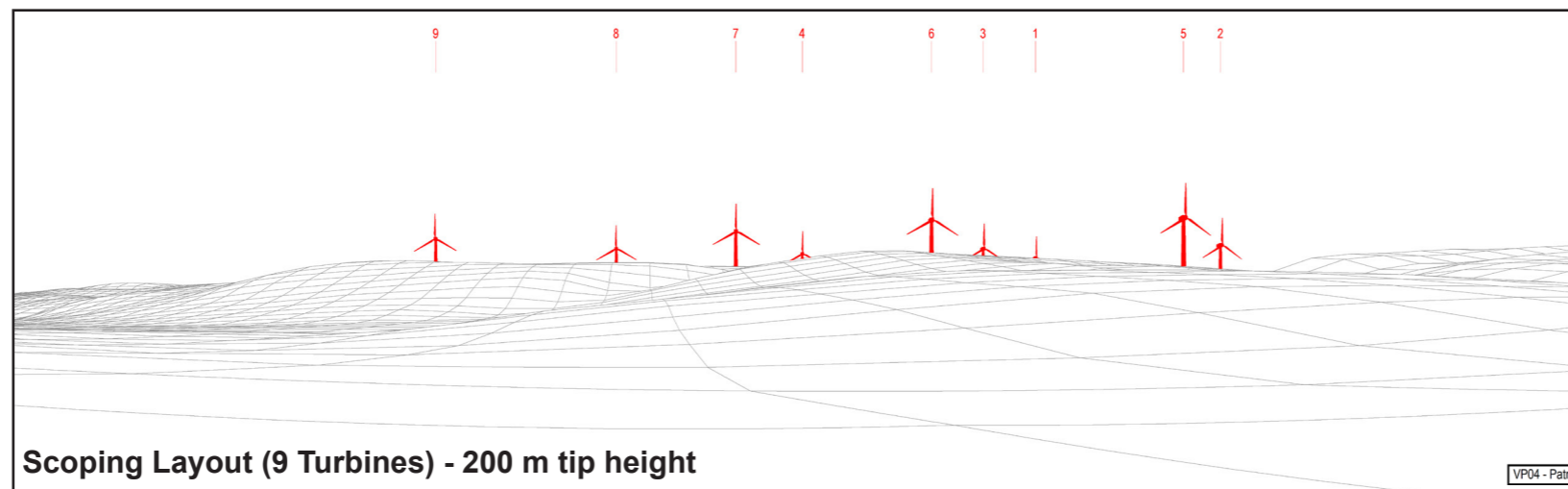
**SCLENTEUCH
WIND FARM**

FIGURE 3.3b

COMPARATIVE WIRELINES

VP4: PATNA

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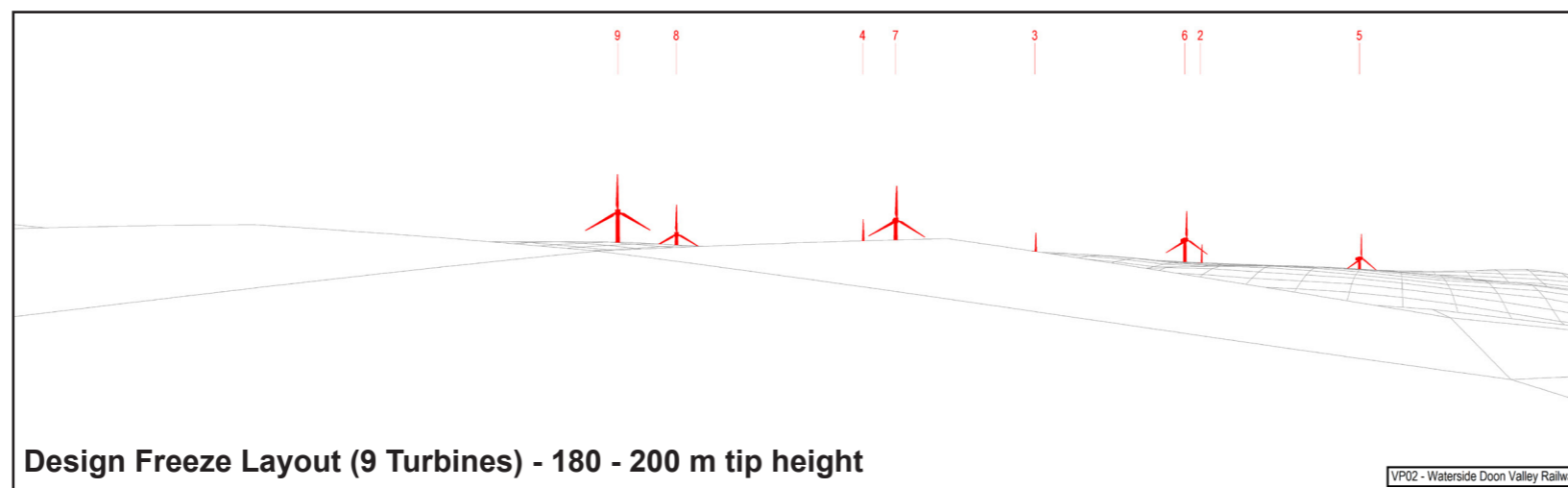
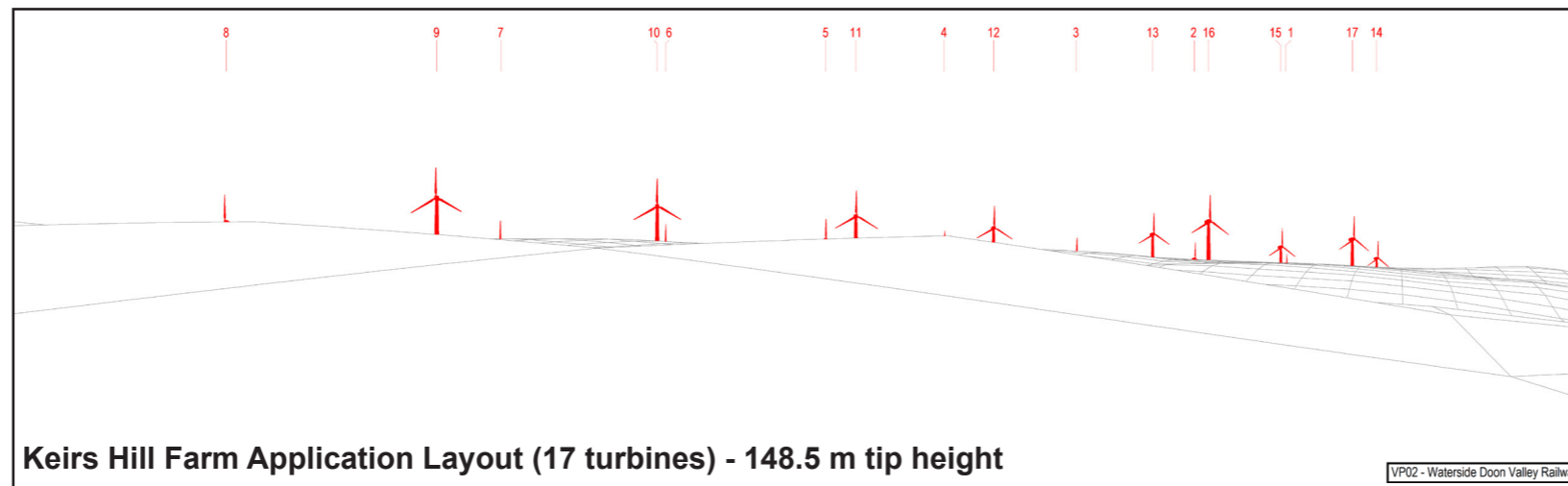
**SCLENTEUCH
WIND FARM**

FIGURE 3.4a

COMPARATIVE WIRELINES

**VP2: WATERSIDE
DOON VALLEY RAILWAY**

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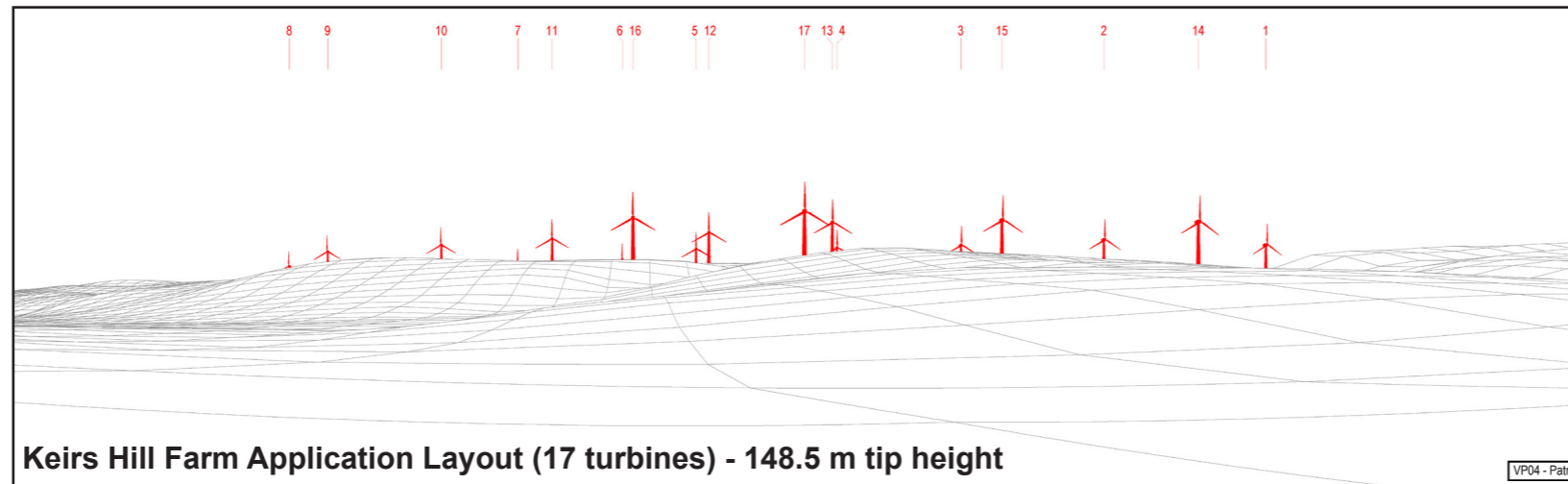
**SLENTEUCH
WIND FARM**

FIGURE 3.4b

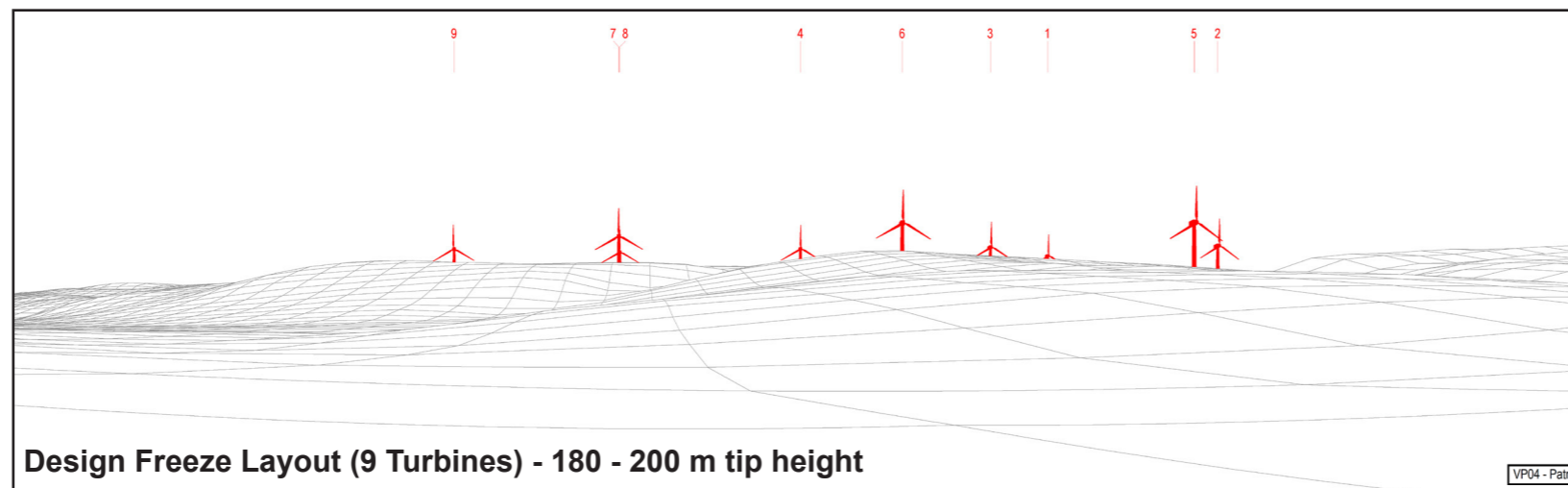
COMPARATIVE WIRELINES

VP4: PATNA

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Keirs Hill Farm Application Layout (17 turbines) - 148.5 m tip height



Design Freeze Layout (9 Turbines) - 180 - 200 m tip height



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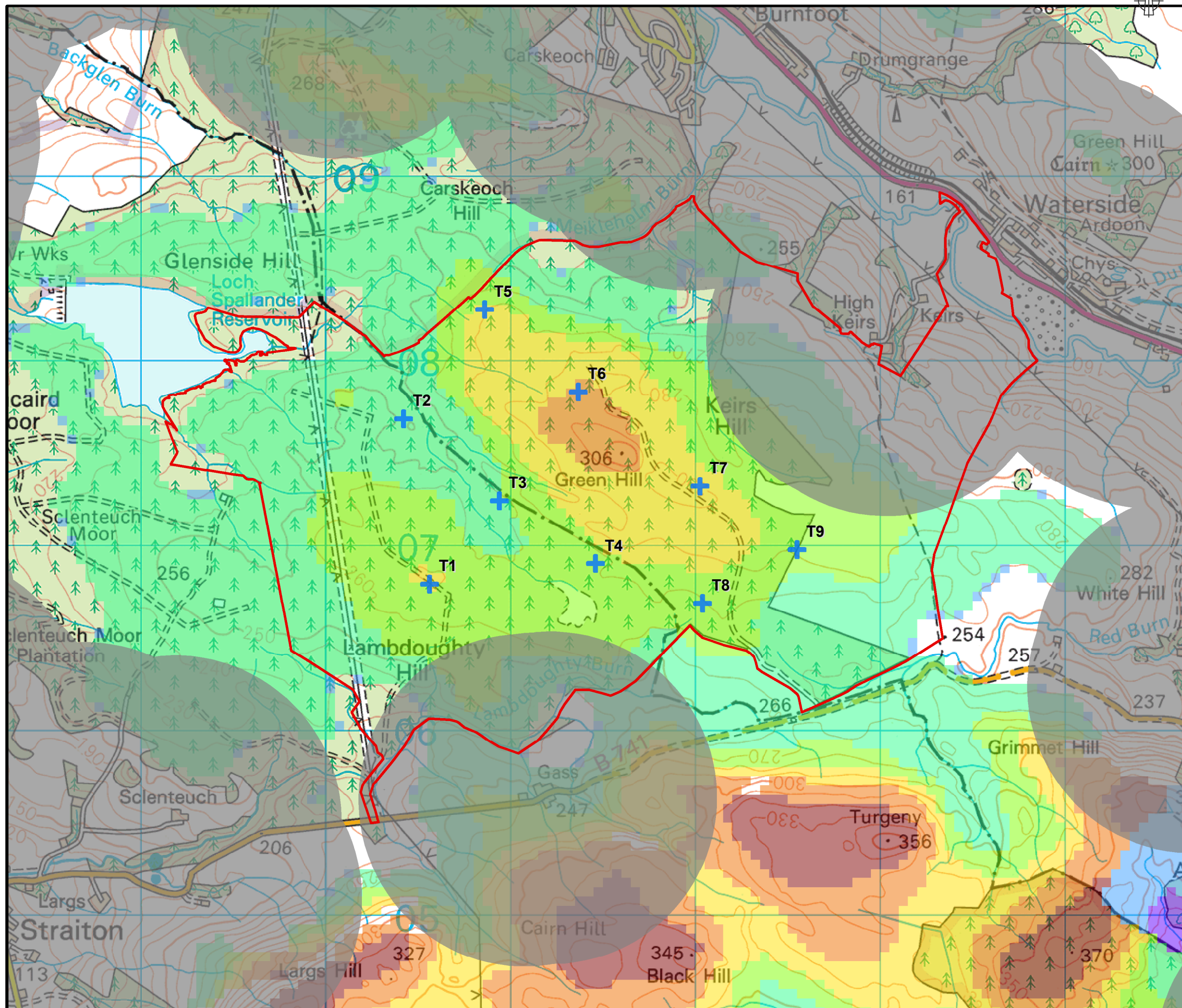
FIGURE 3.5

SITE SELECTION RESULTS

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KEY

- Proposed Turbine Location
- Site Boundary
- 900m Residential Buffer
- Site Selection Suitability Score (%)
 - < 30
 - 31 - 50
 - 51 - 60
 - 61 - 70
 - 71 - 80
 - 81 - 85
 - 86 - 90
 - 91 - 95
 - 96 - 100



LAYOUT DWG: N/A T-LAYOUT NO.: PSCOSCL026

DRAWING NUMBER: **03896-RES-MAP-DR-SV-001**

SCALE - 1:20,000 @ A3

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